

## Quick Test - Proportionality

- 1. Two variables are connected by the relationship  $y \alpha x$ . When x = 0.2, y = 1.8.
- a. Write a formula for y in terms of x
- b. Work out y when x = 0.16
- c. Work out x when y = 29

(a) 
$$y = 0$$
 (b)  $y = 0$  (c)  $y = 0$  2  $y = 0$ 

- The cost of petrol for a journey is directly proportional to the distance travelled. Joe travels
  miles and spends £15 on petrol. Calculate
- a. The cost of petrol for a journey of 190 miles
- b. The length of a journey costing £12.75

- 3. A is inversely proportional to B. When A = 4, B = 6
- a. Write a formula for A in terms of B
- b. Calculate B when A = 12
- c. Calculate A when B = 0.4

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